

INTERNATIONAL SEARCH REPORT

Intel. Application No
PCT/GB 03/03209

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16K11/044 F16K31/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 548 877 A (AUMAYER HANSRUEDI) 22 December 1970 (1970-12-22) column 1, line 65 -column 4, line 15 figures 2,7 ---	1-11
X	GB 2 056 627 A (CROSWELLER & CO LTD W) 18 March 1981 (1981-03-18) abstract; figures 2,4 ---	1,2,6-8, 10,11
X	US 3 818 941 A (MARON E) 25 June 1974 (1974-06-25) column 3, line 42 -column 3, line 65 figure 1 ---	1,2,7-11
X	US 4 917 150 A (KOCH ROBERT O ET AL) 17 April 1990 (1990-04-17) column 5, line 7 -column 5, line 38 figure 1 ---	1,2,7-11
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

22 October 2003

Date of mailing of the international search report

04/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Awad, P

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 211 198 A (TINHOLT THOMAS) 18 May 1993 (1993-05-18) abstract; figure 3 ---	1-8,10, 11
A	US 5 064 166 A (SCHECHTER MICHAEL M) 12 November 1991 (1991-11-12) abstract; figures 1,2 -----	1,2,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 3548877	A	22-12-1970	NONE		
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US 3818941	A	25-06-1974	DE CH FR GB IT SE	2122474 A1 542386 A 2135572 A5 1394273 A 960090 B 383038 B	07-12-1972 30-09-1973 22-12-1972 14-05-1975 20-11-1973 23-02-1976
US 4917150	A	17-04-1990	NONE		
US 5211198	A	18-05-1993	NONE		
US 5064166	A	12-11-1991	NONE		